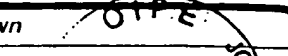


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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: March 4, 2004 <i>(use as many sheets as necessary)</i>				Complete if Known Application Number 10/657,711 Filing Date 09/09/2003 First Named Inventor Kiyohiko GONDO Group Art Unit 2878 Examiner Name Unknown Attorney Docket Number 044499-0175	
Sheet	1	of	1		

U.S. PATENT DOCUMENTS

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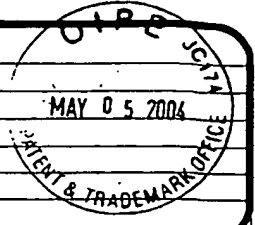
¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT Date Submitted: May 5, 2004 (use as many sheets as necessary)				Complete if Known	
				Application Number	10/657,711
				Filing Date	09/09/2003
				First Named Inventor	Kiyohiko GONDO
				Group Art Unit	2878
				Examiner Name	Unassigned <i>le</i>
				Attorney Docket Number	044499-0175
Sheet	1	of	1		



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Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number	Kind Code ² (if known)			

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Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Documents	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)				
<i>l</i>	B1	JP	3255229	B2	OMRON CORP.	11-30-2001		Abs.
<i>l</i>	B2	JP	11-225057	A	OMRON CORP.	08-17-1999		Abs.
<i>l</i>	B3	JP	8-340242	A	OMRON CORP.	12-24-1996		Abs.

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l	B4	KIYOSHI IMAI et al., "Development of E3X-DA-N Optical Fiber Photoelectric Sensor with Auto Power Control Function", Omron Technics, 2001, pages of Japanese language text 7-10, pages of English language 1-6, vol. 41-no. 1.			
l	B5	TAKASHI KAMI, "Integration of a microcomputer with minimized noise [4]", Electro Magnetic Compatibility (EMC), 1997, page of Japanese language text 45-50, pages of English language text 10-11, vol. 9-no. 10.			

Examiner Signature	<i>le</i>	Date Considered	7/05
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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

Date Submitted: August 25, 2004

(use as many sheets as necessary)

Complete if Known

Application Number	10/657,711
Filing Date	09/09/2003
First Named Inventor	Kiyohiko GONDO
Group Art Unit	2878
Examiner Name	Que Tan Le
Attorney Docket Number	044499-0175

Sheet	1	of	1
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Signature**

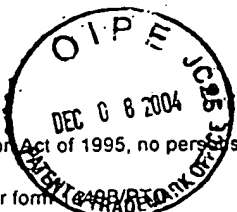
Date
Considered

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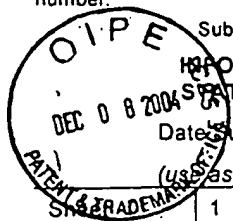
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**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

Date Submitted: December 8, 2004

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1 of 1

Complete if Known

Application Number	10/657,711
Filing Date	09/09/2003
First Named Inventor	Kiyohiko GONDO
Group Art Unit	2878
Examiner Name	Unknown Le
Attorney Docket Number	044499-0175

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	Sub
		Number	Kind Code ² (if known)				
1	D1	6,489,603	B1	GIOVANNARDI	12-03-2002		
1	D2	2002/0104956	A1	OKAMOTO	08-08-2002		
1	D3	6,228,775	B1	COBURN et al.	05-08-2001		
1	D4	6,211,754	B1	NISHIDA	04-03-2001		
1	D5	5,281,810	A	FOOKS et al.	01-25-1994		

FOREIGN PATENT DOCUMENTS

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1	D6	DE	696 23 830		HAMAMATSU PHOTONICS KK	10-31-2002		A
1	D7	WO	01/77708	A1	HONEYWELL INTERNATIONAL INC.	10-18-2001		
1	D8	EP	0 724 258	B1	HAMAMATSU PHOTONICS KK	07-31-1996		

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